IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Group Art Unit: 1656

Muthiah Manoharan, Phillip Dan Cook, Balkrishen Bhat, and Andrei P. Guzaev

Examiner: J. Riley

For: NUCLEOSIDIC AND NON-NUCLEOSIDIC FOLATE CONJUGATES

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

□ Utility Patent
 □ Design Patent

is sought on the invention, whose title appears above, the specification of which:

is attached hereto.

Was filed on March 24, 1999 as Serial No. ______09/275,505.

Said application having been amended on May 15, 2000, June 12, 2000

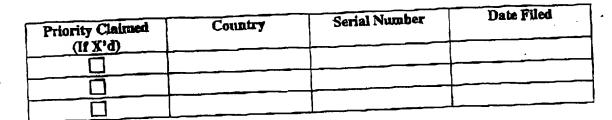
and May 11, 2001.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1,56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:





I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Parent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Patented/Pending/Abandoned
09/098,166	06/16/1998	Pending
PCT/US94/10131	09/02/1994	Pending
08/117,363	09/03/1993	Pending
V0/117,505		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Serial Number	Date Filed

I hereby appoint the following persons as attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Attorney/Agent	Registration No.
John W. Caldwell	28,937
Michael P. Straher	38,325



of WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103 and

Herb Boswell

Registration No. 27,311

Laurel Bernstein

Registration No. 37,280

Robert S. Andrews

Registration No. 44,508

April Logan

Registration No. 33,950

Neil S. Bartfeld

Registration No. 39,901

Kenneth H. Tarbet

Registration No. 43,181

of ISIS PHARMACEUTICALS, INC., 2292 Faraday Avenue. Carlsbad, California 92008

Address all telephone calls and correspondence to:

Michael P. Straher WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP One Liberty Place - 46th Ploor

Philadelphia PA 19103

Telephone No.: (215) 568-3100 Facsimile No.: (215) 568-3439

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Phillip Dan Cook Mailing Address: 5237 Olive Hill Road Date of Signature: Fallbrook, California 92028 City/State of Actual Residence: Citizenship: United States Lake San Marcos, California





Name:	_
Muthiah Manoharan	Anusaich Meshen
Mailing Address:	/Signature
7634 Reposado Drive Carlsbad, California 92009	Date of Signature: 8/17/2001
City/State of Actual Residence:	Citizenship: United States
Carlsbad, California	

Name:	0000
Balkrishen Bhat	Ballille
Mailing Address:	Signature
911 Rosemary Avenue Carlsbad, California 92009	Date of Signature: 8 17/01
City/State of Actual Residence:	Citizenship: India
Carlsbad, California	

Name:	0
Andrei P. Guzaev	182
Mailing Address:	Signature
7702 Caminito Leon # W 2 0 2. Carlsbad, California 92009 A 6	Date of Signature: 3/17/0)
City/State of Actual Residence:	Cltizenship: Russia
Carlsbad, California	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Muthiah Manoharan, Phillip Dan Cook, Balkrishen Bhat, and Andrei P. Guzaev

Serial No.: Not Yet Assigned

Filed: Herewith

For: NUCLEOSIDIC AND NON-

NUCLEOSIDIC FOLATE CONJUGATES

Group Art Unit: Not Yet

Assigned

Examiner: Not Yet Assigned

Assistant Commissioner for Patents Washington DC 20231

Sir:

ASSOCIATE POWER OF ATTORNEY

The undersigned, of the firm WOODCOCK WASHBURN LLP, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103, Attorney and/or Agents for Applicant(s), hereby appoints the following:

Richard E. Kurtz	Registration No. 19,263	Steven B. Samuels	Registration No. 37,711
Dale M. Heist	Registration No. 28,425	Anthony J. Rossi	Registration No. 24,053
John W. Caldwell	Registration No. 28,937	Terence P. Strobaugh	Registration No. 25,460
Gary H. Levin	Registration No. 28,734	Michael J. Swope	Registration No. 38,041
Steven J. Rocci	Registration No. 30,489	Michael J. Bonella	Registration No. 41,628
Dianne B. Elderkin	Registration No. 28,598	Harold H. Fullmer	Registration No. 42,560
John P. Donohue, Jr.	Registration No. 29,916	John E. McGlynn	Registration No. 42,863
Henrik D. Parker	Registration No. 31,863	Jonathan M. Waldman	Registration No. 40,861
Suzanne E. Miller	Registration No. 32,279	Paul K. Legaard	Registration No. 38,534
Lynn B. Morreale	Registration No. 32,842	Chad Ziegler	Registration No. 44,273
Mark DeLuca	Registration No. 33,229	Gwilym J.O. Attwell	Registration No. 45,449
Joseph Lucci	Registration No. 33,307	David N. Farsiou	Registration No. 44,104
Michael P. Dunnam	Registration No. 32,611	Steven H. Meyer	Registration No. 37,189
Michael D. Stein	Registration No. 34,734	Paul B. Milcetic	Registration No. 46,261
Albert J. Marcellino	Registration No. 34,664	Joseph R. Condo	Registration No. 42,431
David R. Bailey	Registration No. 35,057	Michael K. Jones	Registration No. 41,100
Doreen Yatko Trujillo	Registration No. 35,719	Frank T. Carroll	Registration No. 42,392
Barbara L. Mullin	Registration No. 38,250	Mark J. Rosen	Registration No. 39,822
Kevin M. Flannery	Registration No. 35,871	Eric H. Vance	Registration No. 47,151
_	Registration No. 35,099	Peter M. Ullman	Registration No. 43,963
David A. Cherry	Registration No. 16,574	Thomas E. Watson	Registration No. 43,243
Robert B. Washburn	_	Richard B. LeBlanc	Registration No. 39,495
Norman L. Norris	Registration No. 24,196	Joseph D. Rossi	Registration No. 47,038
Lynn A. Malinoski	Registration No. 38,788	Joseph D. Rossi	10g13dadon 140. 47,030





- 2 -

PATENT

Rosaleen P. Morris George J. Awad Steven D. Maslowski S. Maurice Valla Vincent J. Roccia Robin S. Quartin Patrick J. Farley Gregory L. Hillyer Susan C. Murphy Raymond N. Scott, Jr. David L. Marcus Christine A. Goddard Ellen M. Klann	Registration No. 47,321 Registration No. 46,528 Registration No. 46,905 Registration No. 43,966 Registration No. 43,887 Registration No. 45,028 Registration No. 42,524 Registration No. 44,154 Registration No. 46,221 Registration No. P48,666 Registration No. 46,897 Registration No. 46,731 Registration No. 44,836	Andrew J. Hagerty Emma R. Dailey Stephen C. Timmins Erich M. Falke Jane Inglese Janet E. Reed Scott E. Scioli Lawrence A. Aaronson John A. Harrelson Jeffrey J. King	Registration No. 44,141 Registration No. P48,491 Registration No. P48,481 Registration No. P49,049 Registration No. P48,444 Registration No. 36,252 Registration No. 47,930 Registration No. 38,369 Registration No. 42,637 Registration No. 38,515
--	--	--	---

his/her associates with full power to prosecute the above-identified application and to transact all business in the Patent Office connected therewith and requests that correspondence continue to be directed to the firm of WOODCOCK WASHBURN LLP at the above address.

Date: October 9, Zero

Michael P. Straher

Registration No. 38,325

Woodcock Washburn LLP One Liberty Place - 46th Floor

Philadelphia PA 19103

Telephone: (215) 568-3100 Facsimile: (215) 568-3439

© 2001 WW